BRUHAT BANGALORE MAHANAGARA PALIKE
EXCECUTIVE ENGINEER DASARAHALLI PROJECT DIVISION

Name of work: Improvement works at Dog Kennel Sy No 51 Mallasandra ward no 13 of Project subdivision

B NUMBER.: Est. Amount = 39.00 Lakhs

Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a)/2.3.1(I.tm No.2.1, P.No.5, SR:2016 17)								
Dog Kennel								
Levelling Site Area	Cum	1	40.00	6.50	0.40	104.00		
					Total Qty	**104.00**	169.56	17634.24
KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m.after breaking of clods complete as per specifications,specification. No. KBS 2.1(b)/2:3.5 (I.tm No.2.3, P.No.5, SR:2016-17)								
Dog Kennel								
SSM Foundation								
Main Wall	Cum	1	196.04	0.90	0.90	158.79		
Portion Wall		1	33.48	0.75	0.75	18.83		
All Around Building Foundations		1	95.00	0.90	1.00	85.50		
					Total Qty	**263.12**	288.12	75811.55
KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m.and lift of 1.5m,complete as per specifications,(PWP,IWTD) SR Bangalore Circle 2014. specification. No. KBS (I.tm No.2.15, P.No.6, SR:2016-17)								
Dog Kennel								
All Around Building Foundations	Cum	1	95.00	0.90	0.75	64.13		
					Total Qty	**64.13**	2283.12	146405.07
KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I.tm No.4.2, P.No.12, SR:2016-17)								
Dog Kennel								
SSM Foundation	Cum	1	196.04	0.90	0.15	26.47		
Main Wall		1	33.48	0.75	0.15	3.77		
Inner Wall					Total Qty	**30.23**	5449.68	164754.18
KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (I.tm No.5.6, P.No.23, SR:2016-17)								
Dog Kennel								
SSM Foundation Below Ground								
1St Step	Cum	1	202.44	0.75	0.40	60.73		
Main Wall								
2nd Step		1	208.04	0.60	0.40	49.93		
Main Wall		1	40.68	0.60	0.40	9.76		
Inner Wall					Total Qty	**120.42**	4521.96	544556.13
KSRB 5.3-3: Providing and constructing granite / trap / basalt size stone masoniy in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13) (I.tm No.5.9, P.No.23, SR:2016-17)								
Dog Kennel								
SSM Foundation Above Ground	Cum	1	213.64	0.45	0.40	38.46		
Main Wall		1	46.08	0.45	0.40	8.29		
Inner Wall					Total Qty	**46.75**	5405.40	252700.29

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Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
KSRB 2.3 Filling available excavated earth (excluding rock) in sides cum of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification No. KBS 2.9 (I.tm No 2.10, P.No 6, SR 2016-17)								
Dog Kennel						131.56		
50% of Total Earth Excavation	Cum					Total Qty 131.56	137.16	18045.11
KSRB 4.2.8 Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3its confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels, and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (I.tm No 4.13, P.No 13, SR 2016-17)								
Dog Kennel								
Plinth Beam								
P1 Main Wall		1	220.68	0.23	0.30	15.23		
P2 Inner Wall		1	54.00	0.20	0.20	2.16		
Lintel Beam								
Main Wall		1	181.19	0.23	0.20	8.33		
Inner Wall		1	54.00	0.15	0.15	1.22		
Roof Beam								
B1 Main Wall		1	220.68	0.23	0.20	10.15		
Roof Slab								
Slab	Cum	1	40.50	7.00	0.15	42.53		
						Total Qty 79.61	6650.64	529477.00
KSRB 4.2.10 Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225its, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (I.tm No 4.19, P.No 14, SR 2016-17)								
Dog Kennel								
Chajja								
Front & Back Side	Sqm	59	0.90	0.60		31.86		
						Total Qty 31.86	492.48	15690.41
KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded cum granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I.tm No 4.6, P.No 12, SR 2016-17)								
Dog Kennel								
Cills								
Ventilator V		56	0.60	0.23	0.05	0.39		
Copping for SSM Foundation								
Main Wall	Cum	1	213.64	0.45	0.10	9.61		
Inner Wall		1	46.08	0.45	0.10	2.07		
All Around Building Foundations		1	95.00	0.90	0.10	8.55		
						Total Qty 20.62	5876.28	121191.22

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Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications up to 3.50m from Ground level. Specification No. KBS 4.6.2 (I.tm No.4.18, P.No.15, SR:2016-17)								
Dog Kennel								
Roof Slab								
	Sqm	1	40.50	7.00		283.50		
					Total Qty	283.50	338.04	95,834.34
KSRB 4-6.9 Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.tm No.4.36, P.No.16, SR:2016-17)								
Dog Kennel								
Roof Edges								
Roof Slab Edges	Sqm							
		1	95.00		0.16	15.20		
					Total Qty	15.20	732.24	11,130.05
KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, Sqm propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.tm No.4.34, P.No.16, SR:2016-17)								
Dog Kennel								
Plinth Beam								
P1 Main Wall								
P2 Inner Wall		1	220.68		0.60	132.41		
Lintel Beam		1	54.00		0.40	21.60		
Main Wall	Sqm							
Inner Wall		1	181.19		0.40	72.48		
Beam		1	54.00		0.40	21.60		
B1 Main Wall								
		1	220.68		0.40	88.27		
					Total Qty	336.36	276.48	92,995.71
KSRB 4-6.10 Providing and removing centering, shuttering, strutting, Sqm propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.tm No.4.37, P.No.16, SR:2016-17)								
Dog Kennel								
Chajja								
Front & Back Side	Sqm	59	0.90	0.60		31.86		
Chajja Side								
Front & Back Side		59	2.00		0.15	17.70		
					Total Qty	49.56	291.60	14,451.70
KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500 (I.tm No.4.46.2, P.No.17, SR:2016-17)								
Dog Kennel								
Steel								
For One Cum 95Kgs Qty Item No 8	Tonne	1		7.56		7.56		
For One Cum 50Kgs Qty Item No 9		1		1.59		1.59		
					Total Qty	9.16	65455.56	599326.12
KSRB 6-2.4 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 5.0 Newton per sqmm with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 (Item No.6.7, Page No.27, SR: 2016-17)								
Dog Kennel								
Main Wall		1	181.50	0.23	2.60	108.54		
Inner Wall		1	54.00	0.15	2.60	21.06		
					Total Qty	129.60		
Deduction								
Door D	Cum	1	1.20	0.23	2.10	0.58		
Door D1		56	0.80	0.23	2.10	21.64		
Ventilator V		56	0.60	0.23	0.45	3.48		
					Total Qty	25.70		
					Total Qty	103.90	7520.04	781342.68
						Total Construtuion cost		34,81,345.79
						Design Report,Proof Checking & PMC Amount		34,813.46
						KRDL Charges 11%		3,82,948.04

3899107.43

Bruhat Bengalore Mahanagara Palike

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ment works at Dog Kennel Sy No 51 Mallasandra ward no 13 of Project subdivision

Detailed Estimate

Description of Work	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
			L	B	D			
							Sub Total	38,96,215.82
							Miscellaneous & Rounding Off	3784.18
							Grand Total	39,00,000.00

Certificate:-

1. The work spot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

Assistant Engineer
Dasarahalli Project Division
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

Executive Engineer
Dasrahalli Project Division
BBMP - Bangalore

ಸಂ: JC/D/AS/PR/184/16-17 ದಿನಾಂಕ : 14/3/17

ರೂ. Thirty Nine lakhs Only
39.00 lakhs

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಜಂಟಿ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ಸಂ. CE/TS/50/17-18 ದಿನಾಂಕ : 24/05/17

ರೂ. Rs. 39.00 lakhs only/-

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು

ಮುಖ್ಯ ಅಧಿಕಾರಿಗಳವರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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